UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER
BOTTS, MICHAEL K

ART UNIT	PAPER NUMBER
2176	

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)
Office Action Summary		10/619,740	PURI ET AL.
		Examiner	Art Unit
		Michael K. Botts	2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>*14 July 2003*</u>.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-34* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-34* is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☒ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on <u>*14 July 2003*</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)
1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date <u>*July 14, 2003*</u>.
4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1.   This document is the first Office Action on the merits. This action is responsive

to the following communications: The Non-Provisional Application, which was filed on

July 14, 2003, and the Information Disclosure Statement (IDS), which was also filed on

July 14, 2003.

2.   Claims 1-34 have been examined, with claims 1, 14, 17, 18, 31, and 34 being the

independent claims.

3.   The Drawings are objected to.

4.   The Specification is objected to.

5.   Claims 1-34 are rejected.

Information Disclosure Statement

6.   An initialed and dated copy of applicant's IDS form 1449, which was filed on July

14, 2003, is attached to this Office Action.

Drawings

7.   The drawings are objected to because of the following:

a) Reference character 200, as cited in the disclosure at page 10, line 20, is

missing from the drawings.

b) reference characters 310, 315, 317. 320, 325, and 330 are believed to have

been intended to apply to the surface on which they are placed, but this is not clear from

the drawing. The applicant must insert lead lines or underlines to clearly identify the elements associated with the numbers. See, MPEP 608.02(IV)(q).

c) It is unclear which element is associated with reference character 340. See, MPEP 608.02(IV)(q).

These objections to the drawings do not interfere with the examination of this application. Appropriate correction is required.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The Specification

8.   The specification is objected to in that reference character 200, which is identified

in the disclosure at page 10, line 20, does not appear in the drawings. This omission

does not interfere with examination of the application. It is believed that reference

character 200 was intended by the applicant to refer to refer to Figure 2 generally, and it

will be read according for the remainder of this Office Action. Appropriate correction is

required.

Claims Rejections – 35 U.S.C. 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9.   Claims 1-34 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by

Wu, et al. (U.S. Patent 5,987,256) [hereinafter "Wu"].

Regarding **independent claim 1**, Wu teaches:

A method for configuring at least a portion of a document for display in a display

environment, the method including:

generating a document color palette for all or a portion of an electronic

document, the colors of the document color palette being selected based on

colors of a plurality of color containing objects in the document or portion thereof;

and

(See, Wu, independent claim 1, stating in part: "A method of translating a document on

a first device for use on a second device, the document being in a standard HTML

language, the method comprising: . . . retrieving a plurality of images referenced by the

document, generating a color palette for the second platform using the plurality of

images and the document . . .."

See also, Wu, dependent claim 10, stating in part: "The method of claim 3

wherein the generating the color palette using the plurality of images and the document

comprises: creating a set of colors comprised of all colors used in the plurality of

images and all colors used in the document . . ..")

generating a plurality of views of the document, two or more of the views

being based on different color palettes, the plurality of views including a

document view including each of the plurality of color containing objects, each

color containing object in the document view being represented using the

document color palette.

(See, Wu, independent claim 1, stating in part: "translating the plurality of images from

respective formats to the supported image format, and outputting a translated

document, the translated document including at least a reference to the color palette . .

.." See also, Wu, Figure 6 and dependent claims 4 and 10.)

Regarding **dependent claim 2**, Wu teaches:

> The method of claim 1, further comprising:
>
> > associating the document color palette with the document or document
>
> portion.

(See, Wu, Figure 6, and claims 1, 4, and 10.)

Regarding **dependent claim 3**, Wu teaches:

> The method of claim 1, wherein:
>
> > generating the document color palette includes selecting a set of colors
>
> based on selection factors and colors in the plurality of color containing objects.

(See, Wu, dependent claim 11.)

Regarding **dependent claim 4**, Wu in view of Dietz teaches:

> The method of claim 3, wherein:
>
> > the selection factors include at least one of most used colors in the
>
> plurality of color containing objects, colors common to the plurality of objects,
>
> and a set of substitutable colors.

(See, Wu, dependent claim 10, stating: "The method of claim 1 wherein the supported

image formal includes a color palette indexed bitmap format and the translating the

plurality of images from respective formats to the supported image format comprises:

decoding each of the plurality of images into a red-green-blue bitmap format; selecting a

color in the color palette for pixels in each of the plurality of images; and outputting a

color palette indexed bitmap format for each of the plurality of images.")

Regarding **dependent claim 5**, Wu teaches:

> *The method of claim 1, wherein generating a document color palette includes:*
>
>> *creating a bitmap of the document or portion thereof; and*
>>
>> *reducing the colors of the bitmap to generate the document color palette.*

(See, Wu, dependent claim 10.)

Regarding **dependent claim 6**, Wu teaches:

> *The method of claim 5, wherein:*
>
>> *reducing the number of colors of the bitmap includes selecting a subset of*
>
> *colors of the bitmap, the subset being selected based on the number of colors .*
>
> *supported in the display environment.*

(see, Wu, dependent claim 10.)

Regarding **dependent claim 7**, Wu teaches:

> *The method of claim 6, wherein the bitmap includes N colors and the subset of*
>
> *colors includes M colors, where M<N.*

(see, Wu, dependent claim 10.)

Regarding **dependent claim 8**, Wu teaches:

> *The method of claim 1, further comprising:*

> *rendering the document or document portion in the display environment*
>
> *using the document view.*

(See, Wu, claim 1, stating in part: "outputting a translated document, the translated

document including at least a reference to the color palette . . ..")

Regarding **dependent claim 9**, Wu teaches:

> *The method of claim 1, wherein the objects include at least one graphics object*
>
> *and at least one text object, each text object including one or more characters of*
>
> *text.*

(See, Wu, dependent claim 12, stating: "The method of claim 1 wherein the translated

document includes a plurality of text elements and a plurality of graphics drawing

elements.")

Regarding **dependent claim 10**, Wu teaches:

> *The method of claim 1, generating a plurality of views of the document includes:*
>
> > *generating an object view of one or more of the plurality of graphics*
>
> *objects in an electronic document, each object view being based on a*
>
> *corresponding object color palette of the corresponding graphics object, each*
>
> *object color palette including a set of colors optimized for the corresponding*
>
> *graphics object.*

(Wu teaches the generation of a translated document wherein the color palette of the

translated document is smaller than that of the original document. It is inherent from the

teachings of Wu that more than one document could be generated. See, Wu, Figure

10, specifically teaching translations of a document to "thin" platforms A, B, and C, as

shown in figure 10 elements 104, 105,and 106.)

Regarding **dependent claim 11**, Wu teaches:

> *The method of claim 10, further comprising:*
>
> > *generating an object color palette for each of the one or more of the*
>
> *plurality of graphics objects.*

(See, Wu, independent claim 1, stating in part: "retrieving a plurality of images

referenced by the document, generating a color palette for the second platform using

the plurality of images and the document, . . . translating the plurality of images from

respective formats to the supported image format, and outputting a translated

document, the translated document including at least a reference to the color palette, . .

. ." See also, Wu, dependent claims 4, 7, 10, and 12.)

Regarding **dependent claim 12**, Wu teaches:

> The method of claim 10, further comprising:
>
> > storing the object views in the electronic document, each object view
>
> being associated with a corresponding document view.

(See, Wu, Figures 12A and 12B, showing saving the data. See also, Wu, col. 9, lines

33-59, teaching saving compiled data to a "non-volatile storage medium" in an off-line

environment for later transmission to a "thin platform.")

Regarding **dependent claim 13**, Wu teaches:

> The method of claim 1, wherein the plurality of views includes two different
>
> document views, each document view based on a different document color
>
> palette.

(See, Wu, Figure 10, teaching the document being translated for platforms as shown by

elements 104-106. Further, it is noted that Wu is directed to tailoring the data to color

and rendering capabilities of the receiving platform. See, Wu, col. 5, line 17 through col.

6, line 7, teaching parsing the original data, including color data, to fit the limitations of

the target device. It is inherent from the tailoring function that more than one document

view will be created.)

Regarding **independent claim 14**, Wu teaches:

> A method for rendering an image in a display environment, the method including:
>
> receiving an electronic document including multiple views for each of a
>
> plurality of graphics objects of the electronic document, a first view for each
>
> graphics object being based on a color palette for the graphics object and the
>
> second view for each graphics object being based on a document color palette
>
> for an associated portion of the electronic document; and
>
> rendering the portion of the electronic document according to the second
>
> view of each of the plurality of graphics objects.

(See, Wu, col. 19, lines 16-67, teaching and intranet environment and an off-line

environment where the originating data is stored and then later translated and saved to

a separate files for use by different target users. The server stores both "views" of the document and renders the translated document to the target user.)

Regarding **dependent claim 15**, Wu teaches:

The method of claim 14, further comprising:

> *receiving input selecting a graphics object in the electronic document; and*

> *rendering the selected graphics object according to the first view of the selected graphics object.*

(It is noted that the view rendered in this claim is according to the full attributes of the original document. See, Wu, Figure 10, and col. 18, line 49 through 53, showing the connection of a user platform to a network. See also Wu, Figures 10, 11, 12A and 12B, teaching the saving of the object file and sending files to target devices. It is noted that since the invention of Wu processes the original data to a limited form that is appropriate for a more limited target device. It is further noted that if the target device had no limitations, and could accept the original file content, including the original color palette, then the view transferred would be the original or first view.)

Regarding **dependent claim 16**, Wu teaches:

The method of claim 14, wherein the portion of the electronic document includes at least one text object, each text object including one or more characters of text and associated color content, the method further comprising:

rendering the at least one text object using the document color palette for

the portion of the electronic document.

(See, Wu, dependent claim 7, teaching specifically the generation and rendering of text

objects, including color attributes. See also, Wu, dependent claim 12, teaching that the

translated document contains text elements.)

Regarding **independent claim 17**, Wu teaches:

A method for configuring at least a portion of a document for display in a display

environment, the method including:

receiving an electronic document including multiple graphics objects; and

generating a display document including multiple views of each of the

multiple graphics objects, each view of the multiple views based on a different

color palette and representing a different portion of the electronic document.

(See, Wu, dependent claim 8, teaching specifically the generation and rendering of

graphics drawing elements. See also, Wu, dependent claim 12, teaching that the

translated document contains graphics elements.)

Regarding **claims 18-28**, claims 18-28 incorporate substantially similar subject matter

as claimed in claims 1-13, respectively, and are rejected along the same rationale.

Regarding **claims 31-33**, claims 31-33 incorporate substantially similar subject matter

as claimed in claims 14-16, respectively, and are rejected along the same rationale.

Regarding **claim 34**, claim 34 incorporates substantially similar subject matter as claimed in claim 17, and it is rejected along the same rationale.

Conclusion

10.   The following prior art is made of record and not relied upon that is considered pertinent to applicants' disclosure:

Wu, et al. (U.S. Patent Application Publication US 2005/1093372 A1) teaching the creation of a limited color palette specifically for application to a television display.

Bartell, et al. (U.S. Patent 6,411,730 B1) teaching the determination of color of a target document based frequency of color occurrences.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael K. Botts whose telephone number is 571-272-5533. The examiner can normally be reached on Monday Thru Friday 8:00-4:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

MKB

WILLIAM BASHORE
PRIMARY EXAMINER

11/10/2005